ABSTRACT OF THE DISCLOSURE

A method for updating coefficients in a decision feedback equalizer (DFE).   The DFE comprises an ISI canceller for canceling ISI from a plurality of first
5   signals received from a channel.   A first symbol comprising a set of the first signals is decoded to generate a decoded symbol.   Then, a vector of error values computed as the difference between the decoded symbol, and the first symbol is obtained.   According to the decoded symbol and the vector
10   of the error values, a temp matrix is generated.   Next, the values of the elements in every diagonal line of the temp matrix are averaged.   Finally, the coefficients are updated by the Toeplitz Matrix.